

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) High yield ratio high-strength cold-rolled steel sheet superior in spot weldability and ductility, containing, by mass %,

C: over 0.030 to less than 0.10%,

Mn: 1.7 to 2.49%,

P: 0.001 to 0.02%,

S: 0.0001 to 0.006%,

Al: 0.060% or less,

N: 0.0001 to 0.0070%,

Si: 0.54 to 0.65%

Ti: 0.01 to 0.055%,

Nb: 0.012 to 0.055%,

Mo: 0.07 to 0.55%,

B: 0.0005 to 0.0040%, and

simultaneously satisfying

$1.1 \leq 14 \times \text{Ti} (\%) + 20 \times \text{Nb} (\%) + 3 \times \text{Mo} (\%) + 300 \times \text{B} (\%) \leq 3.7$,

the balance comprised of iron and unavoidable impurities, and having a microstructure composed of lower bainite or bainitic ferrite as a main phase which constitutes over 85% of the area of the microstructure, and

having a yield ratio of more than 0.64 to less than 0.90, a $\text{TS} \times (\text{El})^{1/2}$ of 3320 or more, an $\text{YR} \times \text{TS} \times (\text{El})^{1/2}$ of 2320 or more, and a maximum tensile strength (TS) of 780 MPa or more,

having a minimum value of CTS ~~when~~ of 0.8 or more among 10 values of CTS obtained by welding 10 test pieces by a welding current of the region of occurrence of expulsion and surface flash, that is, $(\text{CE} + 1.5) \text{ kA}$ kA , of 0.8 or more, when ~~wherein CTS is a tensile load in a cross-joint test and CE is welding current immediately before expulsion and surface flash, and wherein the minimum value of CTS when~~ among 10 values of CTS

obtained by welding 10 test pieces by a welding current of CE ~~10 times~~ is defined as "1",
~~where CTS is a tensile load in the biaxial tensile test,~~

and having an X-ray intensity ratio of a {110} plane parallel to the sheet surface at 1/8 the thickness of the steel sheet of less than 1.0.

2. (Previously Presented) High yield ratio high-strength cold-rolled steel sheet superior in weldability and ductility as set forth in claim 1, characterized by further containing, by mass %, one or two of

Cr: 0.01 to 1.5%,
Ni: 0.01 to 2.0%,
Cu: 0.001 to 2.0%,
Co: 0.01 to 1%,
W: 0.01 to 0.3%.

3-6. (Canceled)

7. (Previously Presented) High yield ratio high-strength hot-dip galvanized steel sheet superior in weldability and ductility, characterized by comprising cold-rolled steel sheet comprised of the chemical components described in claim 1, and hot-dip galvanized.

8. (Previously Presented) High yield ratio high-strength hot-dip galvanized steel sheet superior in weldability and ductility, characterized by comprising cold-rolled steel sheet comprised of the chemical components described in claim 1, hot-dip galvanized, and alloyed.

9-14. (Canceled)